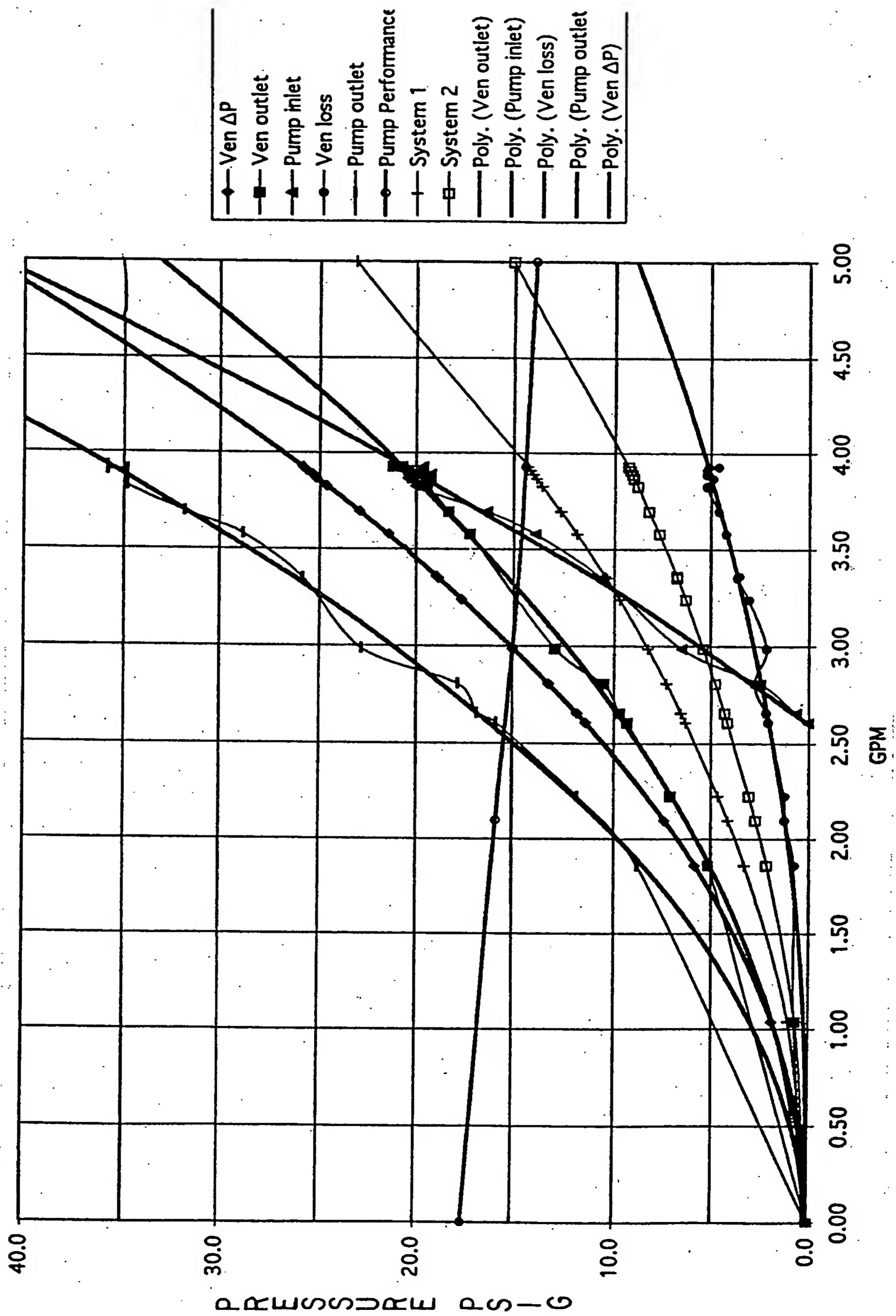


FIG-4



5
E

TABLE IV

D6	D11/D6	D11	Area	Area	Flow	Flow	Cu Ft/Sec	Fl/Sec	Velocity	Pressure Rise	Pressure Rise
Inch	Inch	Sq Inch	Sq Ft	GPM	Cu Ft/Sec	Ft of Water	PSIG				
0.5	0.322	0.161	0.020	0.0001	1	0.0022	15.76	3.86	1.68		
0.5	0.322	0.161	0.020	0.0001	2	0.0045	31.52	15.43	6.70		
0.5	0.322	0.161	0.020	0.0001	3	0.0067	47.28	34.71	15.08		
0.5	0.322	0.161	0.020	0.0001	4	0.0089	63.04	61.71	26.80		
0.5	0.322	0.161	0.020	0.0001	5	0.0111	78.80	96.42	41.88		
0.5	0.322	0.161	0.020	0.0001	6	0.0134	94.56	138.85	60.31		
0.5	0.375	0.1875	0.028	0.0002	1	0.0022	11.62	2.10	0.91		
0.5	0.375	0.1875	0.028	0.0002	2	0.0045	23.24	8.39	3.64		
0.5	0.375	0.1875	0.028	0.0002	3	0.0067	34.86	18.87	8.20		
0.5	0.375	0.1875	0.028	0.0002	4	0.0089	46.48	33.55	14.57		
0.5	0.375	0.1875	0.028	0.0002	5	0.0111	58.10	52.42	22.77		
0.5	0.375	0.1875	0.028	0.0002	6	0.0134	69.72	75.48	32.78		
0.5	0.375	0.1875	0.028	0.0002	7	0.0156	81.34	102.74	44.62		
0.5	0.402	0.201	0.032	0.0002	1	0.0022	10.11	1.59	0.69		
0.5	0.402	0.201	0.032	0.0002	2	0.0045	20.22	6.35	2.76		
0.5	0.402	0.201	0.032	0.0002	3	0.0067	30.34	14.29	6.21		
0.5	0.402	0.201	0.032	0.0002	4	0.0089	40.45	25.40	11.03		
0.5	0.402	0.201	0.032	0.0002	5	0.0111	50.56	39.69	17.24		
0.5	0.402	0.201	0.032	0.0002	6	0.0134	60.67	57.16	24.82		
0.5	0.402	0.201	0.032	0.0002	7	0.0156	70.78	77.80	33.79		
1.6	0.399	0.6381	0.320	0.0022	60	0.1337	60.20	56.27	24.44		

**FIG-6
(PRIOR ART)**

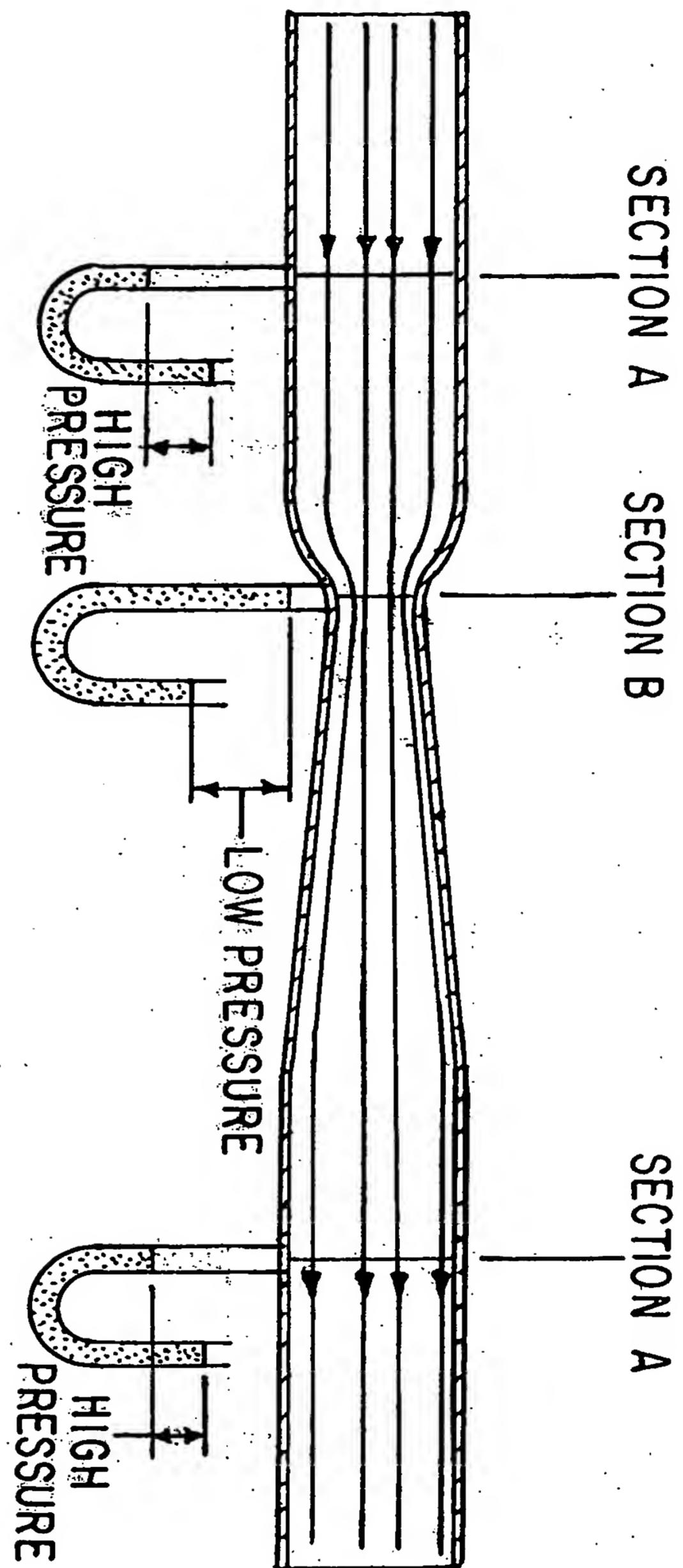


FIG-7

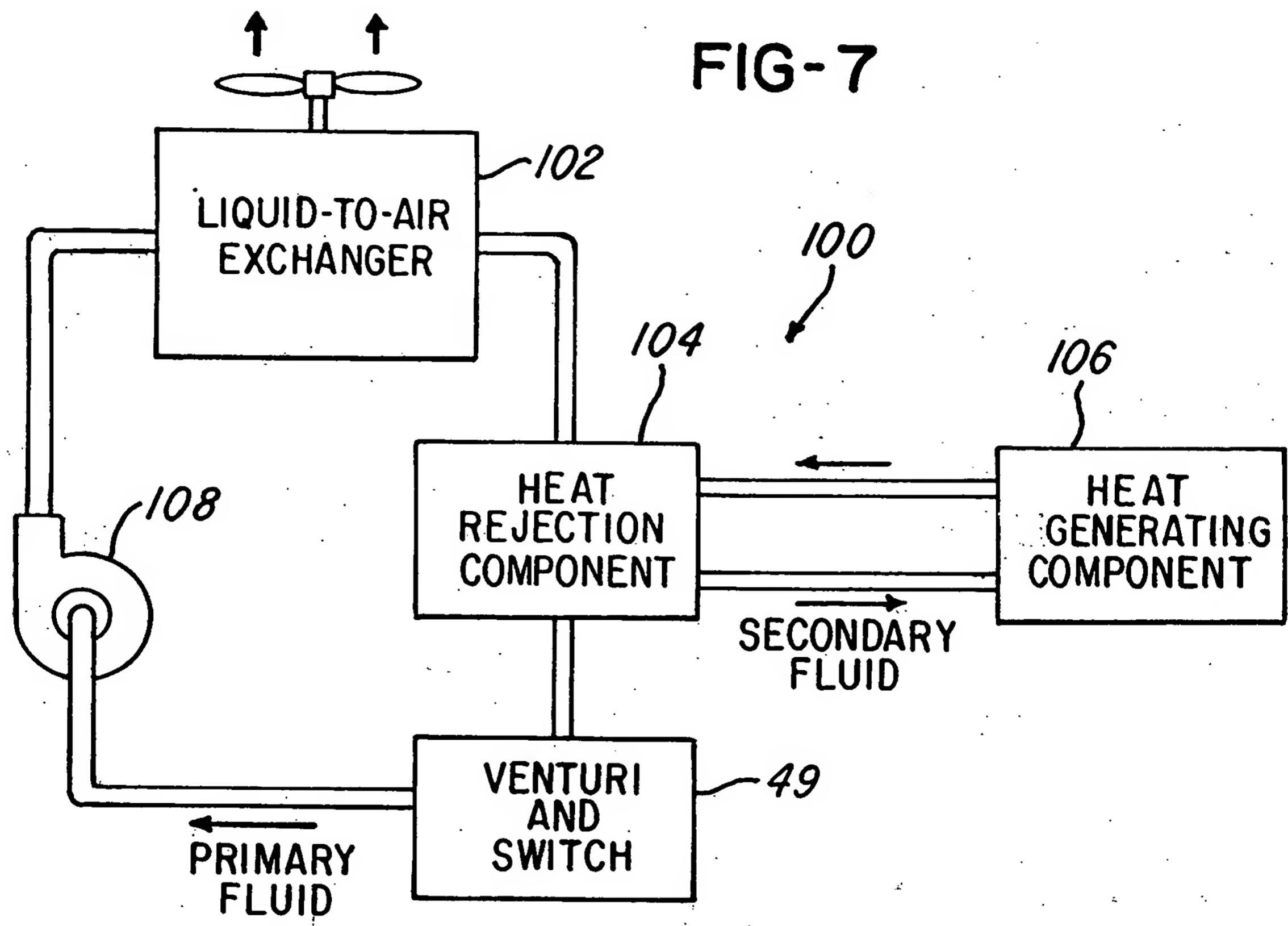


FIG-8

